

AMENDMENTS TO THE CLAIMS

1-15. (Cancelled)

16. (New) A heat-resistant coated member in which a substrate consisting of a metal selected from the group consisting of molybdenum and tantalum is directly coated by a thermal spraying operation with a layer consisting of lanthanoid-containing oxide, wherein the layer consisting of a lanthanoid-containing oxide is a lanthanoid-containing oxide layer containing ytterbium in an amount that accounts for at least 80 atom % of all the metal elements including lanthanoid elements.

17. (New) A heat-resistant coated member in which a substrate consisting of a metal selected from the group consisting of molybdenum and tantalum is directly coated by a thermal spraying operation with a layer consisting of lanthanoid-containing oxide, wherein the layer consisting of a lanthanoid-containing oxide has a thickness of from 0.02 to 0.4 mm.

18. (New) A heat-resistant coated member in which a substrate consisting of a metal selected from the group consisting of molybdenum and tantalum is directly coated by a thermal spraying operation with a layer consisting of lanthanoid-containing oxide, wherein

the layer consisting of a lanthanoid-containing oxide is provided thereon with one or more layers of a compound of at least one element selected from among Group IIIA to Group VIII elements in the CAS version of the periodic table.

19. (New) The heat-resistant coated member of any one of claims 16-18, wherein the lanthanoid-containing oxide consists of an oxide of at least one element selected from the group consisting of dysprosium, holmium, erbium, terbium, gadolinium, thulium, ytterbium, lutetium, europium and samarium.

20. (New) The heat-resistant coated member of any one of claims 16-18, wherein the lanthanoid-containing oxide consists of an oxide of at least one element selected from the group consisting of ytterbium, europium and samarium.

21. (New) A heat-resistant coated member in which a substrate consisting of a metal selected from the group consisting of molybdenum and tantalum is directly coated by a thermal spraying operation with a layer consisting of lanthanoid-containing oxide, wherein the lanthanoid-containing oxide consists of an oxide of at least one element selected from the group consisting of ytterbium, europium and samarium.